

MIKHAYLOV, I.G.; SYRNIKOV, Yu.P.

Effect of ions on the structure of water. Zhur. strukt. khim. 1  
no.1:12-27 My-Je '60. (MIRA 13:8).

1. Leningradskiy gosudarstvenny universitet imeni A.A.Zhdanova  
i Leningradskaya lesotekhnicheskaya Akademiya imeni S.M. Kirova.  
(Water) (Ions)

SYRNIKOV, Yu.P. FEN ZHAU

Comments on the compressibility of aqueous solutions of  
nonelectrolytes. Vest LGU 16 no.16:59-65 '61.  
(MIRA 14:8)

(Compressibility)  
(Solutions(Chemistry))

SYRNICKOV, YU.P.

STRUCTURE AND PHYSICAL PROPERTIES OF MATTER IN A LIQUID STATE  
 reports read at the 4th Conference convened in KIYEV from 1 to 5 June  
 1959, published by the publishing House of KIYEV University, KIYEV,  
 USSR, 1962

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YEFREMOV, I.F.; PROKOF'YEVA, T.A.; SYRNIKOV, Yu.P.

Thermodynamics of salting-out processes in real solutions. Zhur.  
fiz.khim. 38 no.11:2558-2561 N '64. (MIRA 18:2)

1. Leningradskiy tekhnologicheskiy institut imeni Lensoveta.

SYRNIKOV, Yu.P.

Applicability of the second principle of thermodynamics  
to living matter. Biofizika 10 no.6:1102-1103 '65.  
(MIRA 19:1)

1. Submitted January 22, 1965.

ZHURAVLEV, A.M., inzh.; KATSMAN, Z.Ya., inzh.; KNYAZEVA, A.V., inzh.; SYRNIKOVA,  
L.N., inzh.; TSIRIL'SON, V.A., inzh.

Mechanization of conveying operations at the "Krasnaya Kruza"-  
"Suchitsa" Plant. Mekh. i avtom.proizv. 19 no.1:21-25 Ja '63.  
(MIRA 1853)

SYRNIN, H. V.

AID P - 1328

Subject : USSR/Engineering  
Card 1/1 Pub. 110-a - 10/19  
Authors : Styrikovich, M. A., Corr. Memb., Academy of Sciences,  
USSR., Sterman, L. S., Kand. of Tech. Sci. and  
Syrnov, A. V., Eng.  
Title : Study of the carrying away of salts by steam by means of  
radioactive isotopes  
Periodical : Teploenergetika, 2, 43-46, F 1955  
Abstract : This article presents the results of study by means of  
radioactive isotopes of the relation between the intensity  
of carrying away of salts by steam and the volume of the  
steam load. The results obtained by this method are com-  
pared with those established previously by the salt method.  
The equipment used is shown and the results are plotted on  
charts. Two Russian references (1950 and 1953).  
Institution : Moscow Section of the Central Scientific Research Insti-  
tute for Boilers and Turbines  
Submitted : No date

"APPROVED FOR RELEASE: 08/31/2001

CIA-RDP86-00513R001654310012-8

SYRNOV, V. D. and PETROV, N. P.

"Radioactive Emanations and Their Measurement," Ministry of Defense Military  
Publ. House, 1956

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CIA-RDP86-00513R001654310012-8"

SYROCHEV, V.M., inzh.; MATIN, N.Ye., inzh.; BYCHIN, A.S., inzh.

Making upraises from a hanging scaffold. Bezop. truda v prom. 8 no.  
10:23-24 O '64. (MIRA 17:11)

1. Tuimskoye gornepromyshlennye upravleniye.

SYROCHEV, V.M., inzh.; MATIN, N. Ye., inzh.

Eliminate the danger of gas poisoning during blasting opera-  
tions. Bezop. truda v prom. 8 no.9:21-22 S :64 (MIRA 18:1)

1. Rudnik Kiyalykh-Uzen' Tuimskogo gornopromyshlennogo upravle-  
niya.

SYROCKI, H.

Improving the quality of the equipment for telecommunication.

P. 157 (WIADOMOSCI ELEKTROTECHNICZNE) (Warsaw, Poland) Vol. 17, no.6, June 1957

SO: Monthly Index of East European Accessions (EEAI) LC Vol. 7, No. 5. 1958.

26.2190

S/103/61/022/009/014/014  
D206/D30426.2190

AUTHORS: Gitelman, A. L., Syrodyov, V. M. (Leningrad)

TITLE: The effect of leakages on the performance of a pneumatic unit of power compensation

PERIODICAL: Avtomatika i telemekhanika, v. 22, no. 9, 1961,  
1257 - 1261

TEXT: In the present article, the authors present a generalized aspect of a certain problem experience during the factory adjustment of a system of automatic control with a power compensating unit working at a pressure of 10 atm. the diagram of which is shown in Fig. 1. The principle of its operation is based on the compensation of command force  $Q_k$  by force  $Q_m$ , resulting at the membrane from the air pressure  $p$  in chamber A. By considering the balancing of forces, the static characteristics of power compensating unit can be drawn for ideal conditions (no leakages, all contacts can be hermetically closed) where  $Q_s$  = force acting on the valve from

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S/103/61/022/009/014/014  
D206/D304

The effect of leakages on ...

the power air side, equal to the force exerted by the spring and to the difference of pressure across the valve;  $Q_{sc}$  is the force with which the valve is pressed against the collar. When there is a leakage between the valve and collar, the valve is pressed against it, but the power air is continuously being introduced into chamber A and with a change in the force  $Q_k$ , the gap between the nozzle and the valve changes so as to produce in A a pressure  $p$  satisfying the required balancing of forces. Since in this case the nozzle is not in contact with the valve, the force  $Q_s$  does not come into the balance, which this is independent of the change in the direction of force  $Q_k$ . The static characteristic for this case is shown in Fig. 3a. When there is a leakage between the valve and the nozzle, the latter is pressed against the valve, but air in the chamber A is continuously escaping into the atmosphere and with a change in the force  $Q_k$  the necessary forces balance is obtained by the change in the gap between the valve and collar. Moreover, after

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S/103/61/022/009/014/014

D206/D304

The effect of leakages on ...

the valve leaves the collar, there is a continuous contact between the nozzle and the valve under force  $Q_s$  (section CB, Fig. 3b). The

leakage may also exist simultaneously at the collar and the nozzle, and the characteristic is in this case determined by the ratio of effective cross section areas formed between the valve, collar and nozzle. With all cross sections comparable in magnitude, the characteristic will consist of two sections OA' and C'B (Fig. 3c) and it follows that it may have a region of little or no sensitivity in the same manner as for ideal contacts, although their respective origins differ. Numerous experiments with a pneumatic sensing device having nozzles and collars of metals of various degrees of hardness, shape and diameter ratios (at pressures  $p_c$  and  $p$  up to

10 atm) have shown that no perfect sealing can be achieved simultaneously at both sealing surfaces. During those experiments it was established that not only the shape, but also the stability of characteristics of the pneumatic unit depend on the relative ratios of leakages. This shows first of all in cases when the characteris-

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18031

S/103/61/022/009/014/014  
D206/D304

The effect of leakages on ...

tic has a region of insensitivity within the operating range, i.e. for  $0 < p < p_c$ ; the values  $p$  and  $Q_k$  which correspond to this region and also its shape varies from one measurement to another without any apparent reason. The static characteristic  $P = f(S)$  is given of an experimental pneumatic command device for different ratios of respective leakages within the unit. Here  $S$  - the compression force of the spring. The command force  $Q_k = cS$ , where  $c$  - stiffness of the spring. In experiments  $c = 1.76 \text{ kg/mm}$ , the pressure of actuating air  $p_c = 10 \text{ atm}$ . It has also been found that in general, the leakage through the collar should if possible predominate over that into the atmosphere. There are 4 figures.

SUBMITTED: February 23, 1960

✓X

Card 4/6

BUGAYEV, Aleksey Alekseyevich, 'tokar'; IZVEKOV, Arkadiy Ivanovich, master elektrikov; TRET'YAKOV, Eduard Aleksandrovich, inzh.-tekhnolog; ORZHEKHOVSKIY, Pavel Iosifovich, 'slesar'; LITUS, Il'ya Sil'vestrovich; BABANOV, Nikolay Fedorovich, starshiy master; SYRODOYEV, Aleksandr Konstantinovich, mekhanik; TERENIK, Mikhail Semenovich; LADYGIN, Aleksandr Iosifovich

From the rostrum of a plant meeting. Izobr.i rats. no.12:24-28  
(MIRA 11:12)  
D '58.

1. Novo-Kramatorskiy mashinostroitel'nyy zavod (for all).
2. Mekhanicheskij tsekh No.5 (for Bugayev).
3. Mekhanicheskij tsekh No. 7, predsedatel' tsekhovogo soveta Vsesoyuznogo obshchestva izobretateley i ratsionalizatorov (for Izvekov).
4. Upolnomochennyj Byuro ratsionalizatorov i izobretateley v 1-m mekhanicheskem tsekhе (for Tret'yakov).
5. Mekhanicheskij tsekh No.7 (for Orzhekhevskiy).
6. Rukovoditel' sektsii sodeystviya izobretatel'stvu i ratsionalizatsii Soveta veteranov truda (for Litus).
7. Fasonnoliteynyj tsekh No.1 (for Babanov, Syroyedov).
8. Nachal'nik ot dela tekhnicheskoy informatsii i izobretatel'stva obshchestva izobretateley i ratsionalizatorov (for Terenik).
9. Predsedatel' zavodskogo soveta Vsesoyuznogo obshchestva izobretateley i ratsionalizatorov (for Ladygin).

(Kramatorsk--Machinery industry)

GITEL'MAN, A.I. (Leningrad); SYRODOLEV, V.M. (Leningrad)

Effect of leakage on the characteristics of a power compensating pneumatic network. Avtom. i telem. 22 no.9:1257-1261  
(MIRA 14:9)  
S '61.  
(Pneumatic control)

1. SYROEZHIN, M. I., Eng.
2. USSR (600)
4. Canals
7. Digging a channel for a hydroelectric power plant by natural erosion, Mekh. trud. rab., 7, no. 2, 1953.
9. Monthly List of Russian Accessions, Library of Congress, May 1953, Uncl.

SYROID, V.I., insh.

Discharge characteristics of insulators and air gaps at pulsating potentials. Izv. vys. ucheb. zav.; energ. 3 no. 9:30-36 8 '60.  
(MIRA 13: 9)

1. L'vovskiy politekhnicheskiy institut. Predstavlena kafedrой  
elektricheskikh stantsiy, setey i sistem.  
(Electric lines--Overhead) (Electric insulators and insulation)  
(Electric protection)

SYROID, V.I., insl.

Voltage distribution when a train of insulators in connection  
with the superimposition of a d.c. on an a.c. voltage. Ivv.  
vys. tsch. zav.; datus. d. 12:57-31 D '50. (TPA M:2)

I. Lvovskiy politekhnicheskiy institut. Predstavlenie  
kolejnykh elektricheskikh strelkiv, setey i sistem.  
(Electric power distribution)

SYROID, V.I., inzh.

Characteristics of the corona of an electric power transmission line  
during the superimposition of d.c. on a.c. Izv.vys.ucheb.zav.; energ.  
5 no.5:35-43 My '62. (MIRA 15:5)

1. L'vovskiy politekhnicheskiy institut. Predstavlena kafedroy  
elektricheskikh stantsiy, setey i sistem.  
(Corona (Electricity)) (Electric power distribution)

SYROID, V.I., inzh.

Study of the characteristics of corona on an open span by  
superposing d.c. on a.c. Izv.vys.ucheb.zav.;energ. 6 no.1:37-  
42 Ja '63. (MIRA 16:2)

1. Lvovskiy politekhnicheskiy institut. Prestavlena kafedroy  
elektricheskikh stantsiy, setey i sistem.  
(Electric power distribution) (Corona (Electricity))

SYROKA, Jan; SIMONKOVA, Eva

Organisms as flow indicators in the Slapy Reservoir.  
Vodohosp cas 11 no.4:430-441 '63.

1. Vyzkumny ustav vodohospidarsky, Praha-Podbaba.

SYROKOMSKAYA, A.

Going still further to the right. Sov.profsciuz 17 no.11:33-35  
Je '61. (MIRA 14:5)

(Germany, West--Trade unions)  
(Germany, West--Politics and government)

LAHIN, I.V.; MATVEIEVA, Ye.P.; SYROKOMSKAYA, I.V.

Dynamics of the development of meadow vegetation in Kaliningrad  
Province. Trudy Bot.inst.Ser.3 no.10:31-101 '56. (MIRA 9:6)  
(Kalininograd Province--Pastures and meadows)

SYROKOMSKAYA, I.V.

Effect of fertilizers and the interplanting of clover on the structure  
and yields of redtop and beard grass meadows which include also other  
grasses. Dokl. Akad. sel'khoz. 24 no.4:28-32 '59.  
(MIRA 12:6)

1. Predstavlena akademikom I.V. Larinym.  
(Pastures and meadows--Fertilizers and manures)

SYROKOMSKAYA, I.V.; PONYATOVSKAYA, V.M.

Ecobiological characteristics of some meadow plant associations.  
Trudy Bot. inst. Ser. 3 no. 12:76-98 '60. (MIRA 14:1)  
(Boksitogorsk District—Pastures and meadows)

SYROKOMSKAYA, I.V.

Changes in the species composition, structure, and yields of  
various-herb and fine-grass meadows of Leningrad Province  
caused by weather conditions and surface improvement measures.  
Trudy Bot. inst. Ser. 3 no. 12:99-127 '60. (MIRA 14:1)  
(Leningrad Province—Pastures and meadows)

PONYATOVSKAYA, V.M.; SYROKOMSKAYA, I.V.

Comparative estimation of the participation of species in the  
structure of meadow plant communities. Trudy Bot. inst. Ser.  
3 no. 12:171-180 '60. (MIRA 14:1)  
(Leningrad Province--Pastures and meadows)

SYROKOMSKAYA, I.V.

Effect of meteorological conditions on the seed production of some  
dominant species of semidesert communities. Probl. bot. 6:410-416  
'62. (MIRA 16:5)  
(Dzhanybek region—Desert flora) (Seed production)

SYROKOMSKIY, V.A.

AUTHOR: Syrokomskiy, V.A.

3-58-4-15/34

TITLE: Courses at Oil Fields (Kursy na neftepromyslakh)

PERIODICAL: Vestnik Vysshey Shkoly, 1958, # 4, pp 52-55 (USSR)

ABSTRACT: The author tells about the establishment of preparatory courses for workers of the mining industry in the Bashkir and Tatar ASSR enabling them to attend a higher mining institute or participate in correspondence courses.

The Moskovskiy neftyanoy institut imeni Gubkina (Moscow Petroleum Institute imeni Gubkin) organized preparatory courses in Ishimbay and Salavatova (Bashkir ASSR), and in Lenino-gorsk and Al'met'yevsk (Tatar ASSR) after the Assistant-Dean of the Faculty of Correspondence Tuition, I.F. Tolstykh had visited the sites in January 1956. These courses were primarily intended for oil workers, and enabled them to attend the courses without leaving their jobs. In that year 340 persons were admitted to the faculty from the 4 towns. Similar courses were later organized in Kungur (Perm' Oblast') at the Zavod neftyanogo mashinostroyeniya (Petroleum Machine Construction Plant), in Bugulma and Moscow for workers of the factories "Borets" and "Krasnyy Proletariy".

Card 1/2

3-58-4-15/34

**Courses at Oil Fields**

Last year, the courses were attended by 800 persons, mainly youths who had graduated from ordinary schools, technical schools, etc. and had been working several years at enterprises. Some of the course participants were experienced workers, foremen and designers.

Preparatory courses were also held at Ukhta, Nebit-Dag and Omsk. A large group of the institute workers went to the Petroleum Refinery at Omsk. The group included V.I. Yegorov, Dean of the Engineering-Economic Faculty; Professor N.S. Nametkin, Dean of the Technological Faculty; Professor I.L. Gurevich, Head of the Chair of Technology of Petroleum and Gas; Professor Ya.M. Paushkin, of the Chair of Organic Chemistry and Chemistry of Petroleum; and Dotsent A.I. Skoblov, Head of the Chair of Petroleum Refinery Equipment. They delivered lectures and held discussions with the laborers, foremen, engineers, etc. The courses in Omsk, intended for 200 persons, were approved by the Sovnarkhoz.

In Ukhta - one of the centers of the gas and petroleum industry - Professor N.I. Shatsov and Assistant L.V. Borisenko helped to organize the courses. In Nebit-Dag it was the Gosplan and the Council of National Economy of the Turkmen ASSR who set-up the courses.

Library of Congress

AVAILABLE:  
Card 2/2

SYROMYASSKIY, V.A.; NOVIKOV, B.G.; BERSHTEYN, R.S.; PRITYKIN, D.P.;  
OKATYY, K.A.

Automatic control of the return cooling cycle in a sintering  
plant. Metallurg 10 no.6:6-8 Je '65. (MIRA 18:6)

1. Zavod "Zaporozhstal".

SYROKOMSKIY, V.S.

DECEASED  
c 1951

1961/3

see ilc

CHEMISTRY

SYROKVASHINA, Ya.A.

Hydrogeological conditions in the new coal regions in the western  
part of the southern wing of the Moscow Basin. Vop. gidrogeol.  
i inzh. geol. no.17:11-21 '59. (MIRA 14:1)  
(Moscow Basin--Water, Underground)

SYROMOLOTOV, B.P., mayor

Luminescent control of parts. Vest. Vozd. Fl. 37 no.1:86  
(MIRA 16:8)

J. '55.

(Nondestructive testing)

KIPRIANOV, A. I.; IL'CHENKO, A. Ya.; SYROMOLOTOVA, L. M.

Addition of nucleophilic reagents to 2-vinylbenzothiazole  
and 2-propenylbenzothiazole. Zhur. ob. Khim. 34 no. 6:1926-1930  
Je '64.  
I. Institut organicheskoy khimii AN UkrSSR.  
(MIRA 17:7)

SEROMYATNIKOV, A.A.

Device for determining spots of the failure of insulation and  
breaks of cable conductors. Avtom.i prib. no.4:92-93 O-D  
'62. (MIRA 16:1)

1. Berdyanskiy pedagogicheskiy institut.  
(Cables--Testing)

"APPROVED FOR RELEASE: 08/31/2001

CIA-RDP86-00513R001654310012-8

SUKHARIV, G.V.; VIKOVYI PINTKOV, I.A.

Device for testing wire insulation. Avtor. i prib. no.2:55-57  
Ap-Je '63.  
(MIRA 18:8)

APPROVED FOR RELEASE: 08/31/2001

CIA-RDP86-00513R001654310012-8"

"APPROVED FOR RELEASE: 08/31/2001

CIA-RDP86-00513R001654310012-8

SYROKHMICOV, A. YA.

"T. S. Zhdanov", Elektrичество, No. 1, 1950.

APPROVED FOR RELEASE: 08/31/2001

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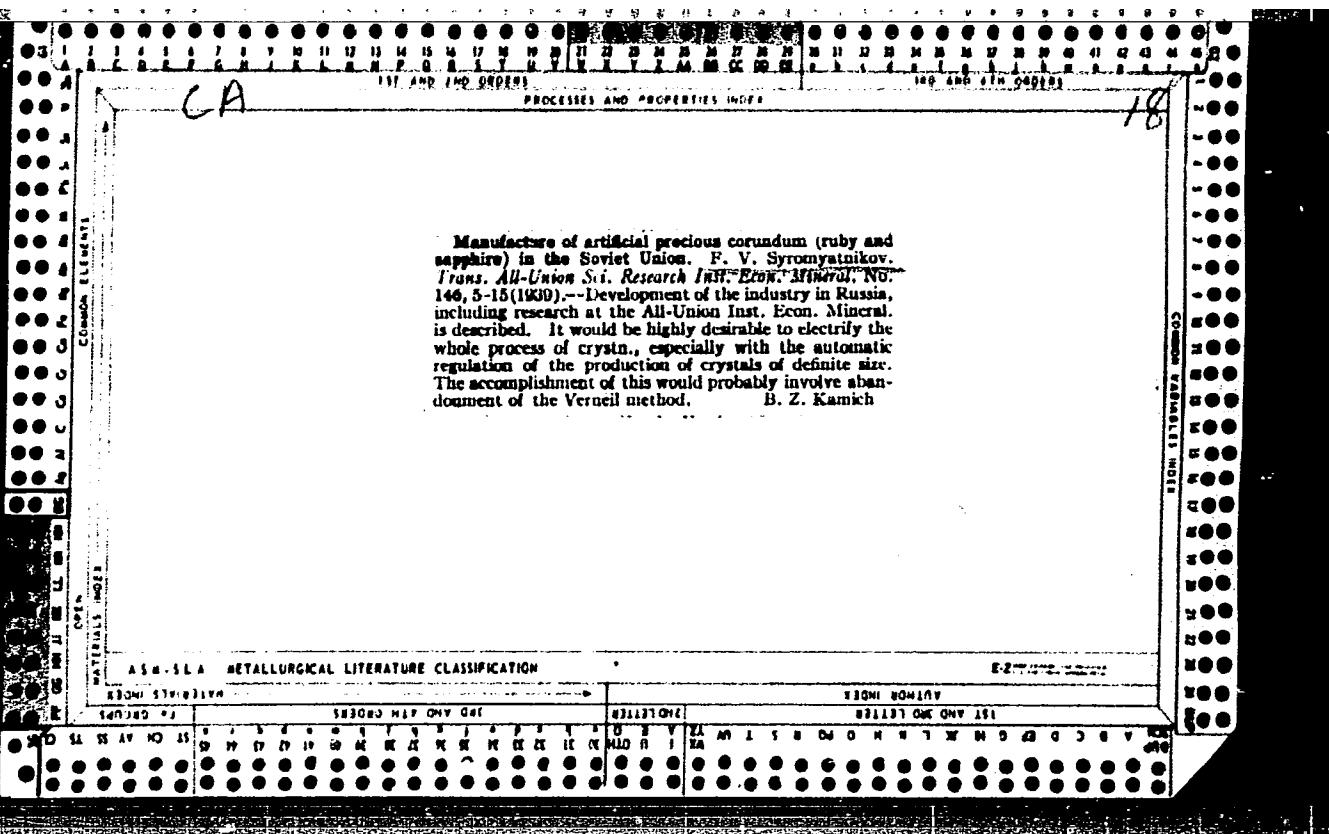
The role of iron in asbestos. E. V. Syromyatnikov and P. I. Vasilev. *Trans. All-Union Sci. Research Inst. Econ. Mineral. (U. S. S. R.) No. 89, 3-21* (in English 22) (1958).—The distribution of Fe in the chrysotile found in ultrabasic igneous rocks was studied in relation to its use as an elec. insulator. Impurities in refined asbestos are finely divided serpentine and magnetite. In Canadian asbestos the ratio of  $\text{FeO}$  to  $\text{Fe}_2\text{O}_3$  is approx. the same as for magnetite. The sum of  $\text{FeO}$  and  $\text{Fe}_2\text{O}_3$  in magnetically cleaned Bazhenovo asbestos is 1.2-1.7%; analyses of magnetic material sepd. from it show an excess of  $\text{Fe}_2\text{O}_3$  over the proportion in magnetite, so it is probably a mixt. of magnetite and maghemite. For these reasons stand ards for elec. insulation asbestos based on Fe content of Canadian asbestos are not applicable to Bazhenovo asbestos. Specimens of fibers varying along their length in shades of brown show no variation in Fe content. The color is probably the result of an org. pigment. Expts. in

removing magnetite from asbestos by means of salicylic acid were unsuccessful. As with strong acids, more Mg than Fe is dissolved and the fibers are destroyed. Analyses show for specimens of brittle chrysotile with the same percentages of  $\text{Fe}_2\text{O}_3$  and  $\text{SiO}_2$  that  $\text{MgO}$  increases with decrease in  $\text{FeO}$ , indicating that Mg is isomorphously replaced by bivalent Fe. The elec. cond. of clean Bazhenovo asbestos is less than that of a low-Fe variety from the Aspagash deposit, where the chrysotile occurs in dolomitic limestone in assozs. similar to those of the Arizona deposits. Elec. cond. is a function of the amt. of adsorbed water present. After it is driven off at 400° clean Bazhenovo and Aspagash asbestos have the same cond. The most satisfactory method of sepn. of magnetite is by a process involving reduction to fine fiber, sieving and blowing.

R. H. Beckwith

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## ASH SLA METALLURGICAL LITERATURE CLASSIFICATION



SYROMATNIKOV, F. V.

Mr., Petr Icun Inst., Dept. Tech. Sci., Acad. Sci. -1949-. Geology., Docent, Sci. Res. Inst. Geol. & Mineralogy, Sector Sci. Res. & Technol. Propaganda, People's Commissariat Heavy Ind., -1935- "The Facies of Oil Collectors in the Lower Carboniferous Deposits of the Southern Part of the Russian Platform," Dok. AN. 70, No. 1, 1949; "New Device (Exclave) for Studying Minerals at High Temperatures and High Pressures," ibid.

CA

8

*New apparatus (exoclave) for the study of minerals at high temperatures and high pressures. F. V. Syromyatnikov. Doklady Akad. Nauk S.S.R. 70, No. 8 (1941).*

The pressure is controlled from the outside of the reaction vessel (therefore called "exoclave"), and produced by the propulsion of a steel piston by a big screw, with H<sub>2</sub>O as filling liquid, especially for hydrothermal synthesis. The reaction vessel is sealed by thick steel plates which are held under a big hydraulic press. The compressed water is introduced by steel capillaries. The pressure measured by a direct-reading Bourdon manometer, and checked by the controlled propulsion of the piston, indicated by the dislocation of a hand on a scale. The changes of vol. in the liquid are observed in the same manner. Temps. up to 800° and pressures up to 1000 kg./sq. cm. can easily be maintained for hrs. With an improved new construction, with a bomb of smaller inside vol., the pressures could even be raised up to about 2500 kg./sq. cm. The new app. will be particularly useful for mineralogic studies (cf. Goranson and Tuttle (C.A. 43, 2475); the "exoclave" is similar to the app. of W. Eitel.

1151

SYROMYATNIKOV, F. V.

155T22

USSR/Geology - Stratigraphy  
Petroleum

Jan 50

"The Facies of Oil Collectors in the Lower Carboniferous Deposits of the Southern Part of the Russian Platform," F. V. Syromyatnikov, Petroleum Inst, 2 pp

"Dok Ak Nauk SSSR" Vol. LXX, No 1

Study of mineralogical composition, structure, and stratigraphy of rock collectors of the lower formation of the carboniferous system indicated a number of definite zones of facies of sandy collectors on the territory of the lower Volga (Kuybyshev to Stalingrad) and the region adjoining it from the

155T22

USSR/Geology - Stratigraphy (Contd)

Jan 50

southwest (region of Archedinskoye-Don upheavals and Donets Basin). Analysis indicated that sandy rocks on the territory southwest of the zone of the folded Donets Basin on Stalingrad side may have high collecting properties. This is confirmed by discovery of oil and gas in deposits of the carboniferous stratum in Archeda region. Submitted by Acad S. I. Mironov 9 Nov 49.

155T22

SYROMYATNIKOV, F.V.

USSR

Tensimetric analysis of the  $\text{Al}_2\text{O}_3$ -hydrates. F. V. Syromyatnikov, and A. P. Mukarova. *Voprosy Petrogr. i Mineral.*, Akad. Nauk S.S.R. 2, 433-8 (1953).—The weight loss vs. temp. curve of synthetic gibbsite shows sharp peaks at 390 and 400° which correspond to the peaks of the tensimetric measurements at 202 and 455° (flat); the latter effect indicates the dehydration of the newly formed boehmite. Crystals and pulverized natural gibbsite show on the tensimetric curves the sharp peak at 235°, and only a slight indication of an effect above 400°. Diaspore from Kyzyl-Tash, Ural, has a dehydration peak at 503° for the monocrystal, at 460° for the powder (10 to 100  $\mu$  grain size). Boehmite from Kurochkin Log, Ural shows the sharp peak at 483°, synthetic boehmite at 445° on the dehydration curves. Nonequilibria, e.g. the formation of boehmite from gibbsite at 250° to 350°, are often observed by rapid heating and wt.-loss determinations. The tensimetric method gives a far better approximation to the real equil. conditions in every case. W. Eitel

SYROMYATNIKOV, V. V.

Sep/Oct 53

USSR/Geology - Electron Microscope

"Study of Ore Structures by Means of the Electronic Microscope," V. V. Syromyatnikov  
and A. F. Filimonov

Iz Ak Nauk SSSR, Ser Geol, No 5, pp 135-140

State that exptl investigations show that the electron microscope not only exactly reproduces the characteristic structures which are distinguished in an optical microscope, but also reveals new peculiarities which have not been observed previously. Describe the application of the instrument and the procedure for using it.

265 T75

SYROMYATNIKOV, F. V.

Some theoretical problems of the genesis and development of hydrothermal solutions. F. V. Syromyatnikov.  
Izvest. Akad. Nauk S.S.R., Ser. Geol. 1955, No. 4, p. 105.-Discussion of a physicochemical basis of the possibility of absorption of water by granite intrusions from the surrounding rocks during cooling. 17 references. G. S. M.

46

SYROMYATNIKOV, F.V.

Nikolai Mikhailovich Fedorovskii; obituary. Zap. Vses. min. ob-va  
86 no.1:145-150 '57. (MLRA 10:4)  
(Fedorovskii, Nikolai Mikhailovich, 1886-1956)

SYROMYATNIKOV, F. V.

"Materials for the Study of the Calcite-Water System" p. 221

~~"Synthesis and Structure of Hydrosilicates containing Simple and Complex Heavy Metal Cations "~~ p. 38

Transactions of the Fifth Conference on Experimental and Applied Mineralogy and Petrography, Trudy ... Moscow, Izd-vo AN SSSR, 1958, 516pp.

reprints of reports presented at conf. held in Leningrad, 26-31 Mar 1956. The purpose of the conf. was to exchange information and coordinate the activities in the fields of experimental and applied mineralogy and petrography, and to stress the increasing complexity of practical problems.

SYROMYATNIKOV, F.V.

Possible use of the method of capsule quenching in studying systems  
which do not form glasses; answer to P.J.Wyllie and O.F.Tuttle. Geo-  
khimia no.5:460-464 '60. (MIRA 13:8)

(Systems (Chemistry)) (Wyllie, P.J.)  
(Tuttle, O.F.)

SYROMYATNIKOV, F.V.

Studying the effect of different agents on the rate of the monocry-  
stalline growth of calcite. Zap.Vses.min.Ob-va 90 no.6:697-699  
'61. (MIRA 15:2)

(Calcite crystals--Growth)

ACCESSION NR: AR3000540

S/0081/63/000/007/0145/0145

SOURCE: RZh. Khimiya, Abs. 7D17

AUTHOR: Syromyatnikov, F. V.; Ivanov, I. P.; Makarova, A. P.

TITLE: New design of an exoclave and its possibilities in experiments conducted under conditions of closed and open systems at a temperature of up to 800-1000°C and pressure up to 1000-1200 kg/cm<sup>2</sup>

CITED SOURCE: Sb. Eksperim. issled. v obl. glubynnykh protsessov. M. AN SSSR, 1962, 150-159

TOPIC TAGS: exoclave; rocks at high temperature and pressure; amphibole; cassiterite; albite

TRANSLATION: To study the behavior of rocks at pressures up to 1-2000 atmosphere [kat] and temperatures up to 800°, a pressure chamber has been developed in conjunction with a press actuated by a worm gear end

Card 1/2

ACCESSION NR: AR3000540

a hand wheel. Over the pressure chamber, having an effective volume of about 1 ml, is fitted an electric furnace. As examples of the utilization of this apparatus, which the author has called an "exoclave", results are described of experiments on conversion of ferrous magnesium amphibole to alkali amphibole, on solubility of cassiterite in water, and on making of albite by metamorphism of quartzose-biotitic schist. -- A. Likhter

DATE ACQ: 21May63

ENCL: 00

SUB CODE: 00

Card 2/2

SYROMYATNIKOV, F.V.

Synthesis of "rezhikit." Min.syr'e no.8:104-106 '63. (MIRA 17:9)

"APPROVED FOR RELEASE: 08/31/2001

CIA-RDP86-00513R001654310012-8

SYROMYATNIKOV, G.A.  
SYROMYATNIKOV, G.A.

Rolling copper wire bars in twelve passes. TSvet.met. 26 no.4:61-63  
J1-Ag '53. (MIRA 10:10)  
(Rolling (Metalwork))

APPROVED FOR RELEASE: 08/31/2001

CIA-RDP86-00513R001654310012-8"

SYROMYATNIKOV, I. A.  
USSR/Elec Power System

4501.0100

Nov 1947

"Technical Trends in the Development of the Power Systems of the USSR,"  
Prof P. G. Grudinskiy, I. A. Syromyatnikov, Candidate Tech Sci, 7 pp

"Elek Stantsii" Vol XVIII, No 11

Discusses development of electric networks, electric systems (development and three basic systems), organizing exploitation of electric systems (covers problems of training personnel in use of proper techniques), and measures adopted to increase dependability. Gives summary of basic principles to be followed in further development of power system. Graphs show: growth of electric power plant capacity during 30-year period, growth in size of largest generators used at stations, relationship between mileage of various capacity lines (35-110 kw, 110 kw, 154-220 kw and 35 kw lines) from 1928 to 1950, and three basic electric systems.

49  
18G51

LC

"APPROVED FOR RELEASE: 08/31/2001

CIA-RDP86-00513R001654310012-8

SIROKHATNIKOV, I.A.

Problems of operating synchronous generators. Moskva, Gos. energ. izd-vo, 1948. 191 p. (49-13133)

TK2411.S85

APPROVED FOR RELEASE: 08/31/2001

CIA-RDP86-00513R001654310012-8"

SYRCMYATNIKOV, I. A.

"Concerning A. M. Zalesskiy's Article, 'Preventive Testing of Insulation in Electrical Machines!', Elektrichestvo, No. 2, 1948; Cand. Mech. Sce., Tech. Sec., Ministry of Elec. Sta., USSR, -1948-

SYROMYATNIKOV, I. A.

"Operation of Cables and Cable Networks" (Eksplotatsiya kabeley i kabel'nykh setey),  
collection of articles under editorship I. A. Syromyatnikov, Gosenergoizdat, 1949, 384 pp.

SYROMYATNIKOV, I. A.

S A

B G Y

641 621.315.61.001.4  
3558. Operational problems of electrical insulation  
and what is required of supplier of insulation. SYRO-  
MYATNIKOV, I. A. Elektrichesivo (No. 2) 327 (Feb.  
1949) 1c. Russian.—The maintenance and testing of  
electrical plant is discussed from the operator's  
viewpoint. Recommendations are made concerning  
the nature, severity and frequency of routine tests on  
electrical machines. The most common defects are  
described and precautions to be taken by plant  
manufacturers are suggested. (W. R. S.)

PA 3/50T18

USSR/Electricity - Relay, Protection  
Automatic Operation,  
Electric

JUL 49

"Operational Problems in the Field of Electro-Automatics and Relay Protection," I. A. Syromyatnikov  
Cand. Tech. Sci., 7 pp

"Elektrichesvo" No 7

Points out great advances made by Soviet power industry in this field. Details various problems of protection and automatic control. Recommends introduction in near future of simplified apparatus for automatic regulation of excitation for synchronous machines, automatic unloading devices when

3/50T18

JUL 49

USSR/Electricity - Relay, Protection  
(Contd)

frequency drops, paralleling generators by self-synchronization, and redesigning relay protection for industrial electrical equipment, especially motors.

3/50T18

SYROMYATNIKOV, I. A.

26373 Novy sit' trebovaniya k zlektricheskim mashinam. Zlektr. Stantsii, 1949,  
No. 8, s. 36-38

SO: LETOFIS' NO. 35, 1949

SINCEMA MI UV I. A.

PA 151T1c

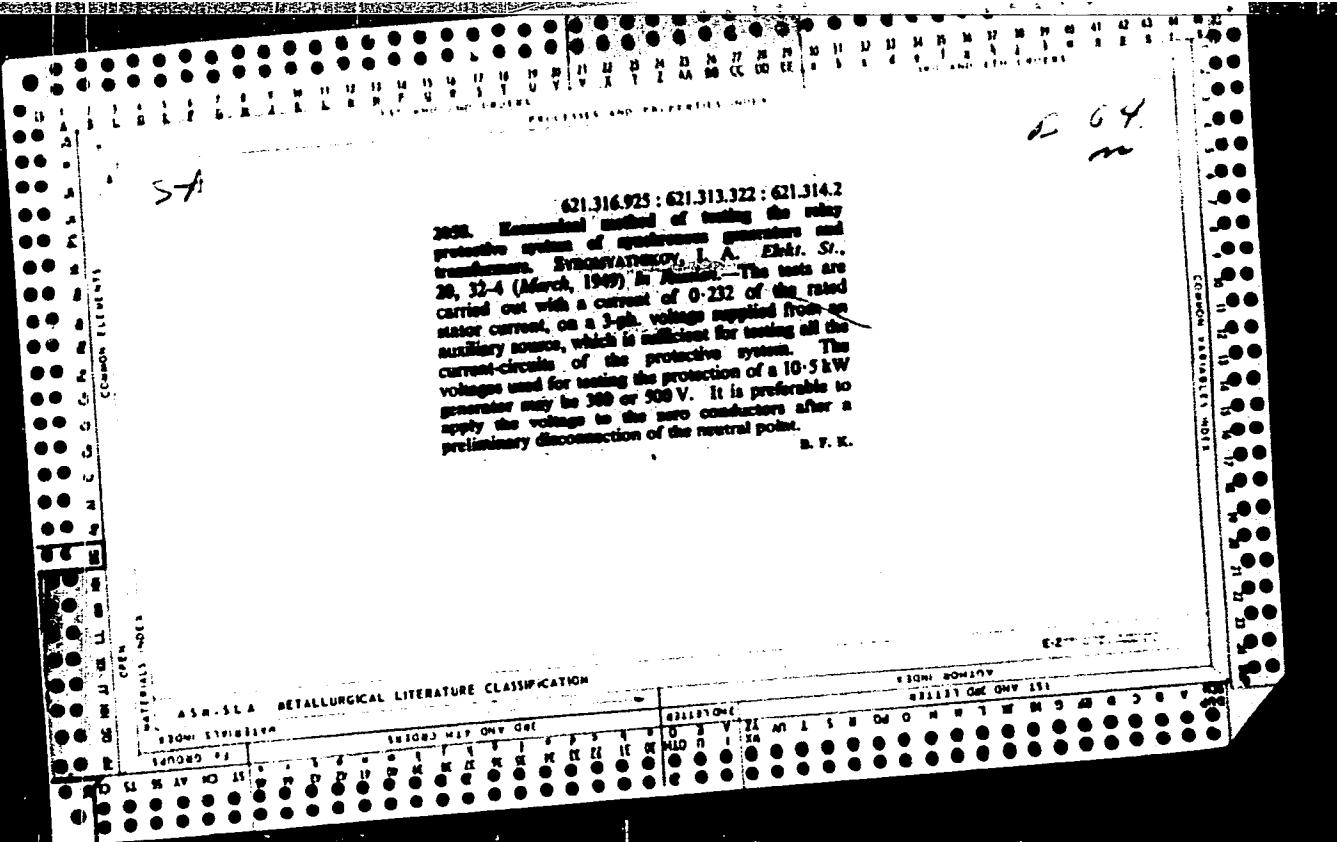
USSR/ Engineering - Generators, Synchronous Synchronization Sep 49

"Paralleling Synchronous Generators by the Self-Synchronization Method," L. G. Mikcnyan, Cand Tech Sci, I. A. Syromyatnikov, Cand Tech Sci, 5 pp

"Elek Stants" No 9

Subject method is of great interest now in connection with automatization of USSR electric power stations. Discusses magnitude of current at moment of switching-in, moments acting on generator rotor during self-synchronization, feasibility of this method, and results of experiments on switching-in generators, by this method. Concludes method is suitable for extensive use.

PA 151T18



SYROMATNIKOV, I. A.

"Phase-by-Phase Repair of High-Voltage Overhead Transmission Lines,"  
(Editor), 1950.

SYROMIATNIKOV, I.A.

The operation of asynchronous motors, Moskva, Gos. energ. izd-vo, 1950. 238 p.  
(50-39037)

TK2785.S9

PX 161T40

SYROMYATNIKOV, I. A.

USSR/Electricity - Motors, Synchronous May 50  
Relay Protection

"Increasing the Reliability of Synchronous Mo-  
tor Performance," I. A. Syromyatnikov, Cand  
Tech Sci, 4 pp

"Prom Energet" No 5

States present relays do not insure continuous  
operation of synchronous motors during short  
circuits on line or power shortages. Automatic  
starters are complicated and unreliable. Sug-  
gests improvements including simpler starters,  
cutouts for feeders, and protection of motor by  
relay acting on current variations.

161T40

USSR/Electricity - Distribution Systems Apr 51  
Transformers

178T57

"Responses to N. F. Tikhonov's Article 'Grounding the Neutral Points of Transformer Windings in 380-v Networks' (Elektrичество, No 4, 1951),"  
I. A. Syromyatnikov, Cand Tech Sci, Tech Adm of  
Min Elec Power Sta, Engr A. A. Kulikovskiy, Mos-  
cow, I. P. Podol'skiy, Cand Tech Sci, Moscow  
Planning-Constr Adm of "Tsentronelektromontazh"

"Elektrичество" No 4, pp 74-76

Syromyatnikov agrees that Tikhonov has found a  
defect, but believes the remedy should be pre-  
ventive high-voltage insulation tests rather  
than grounding of transformer neutrals. Other  
writers agree with Tikhonov that "Rules for  
Grounding Electrical Equipment Carrying Voltages  
Up to 1,000 V" should be rewritten to make it  
easier to ground neutrals.

USSR/Electricity - Distribution Systems Apr 51  
(Contd)

178T57

PA 196T45

SYROMYATNIKOV, I. A.

USSR/Electricity - Motors, Induction      Sep 51

"Operation of an Induction Motor When the Stator  
Windings Are Reconnected From Delta to Star,"  
I. A. Syromyatnikov, Cand Tech Sci, Tech Adm,  
Min of Elec Power Stations USSR

"Elektrichestvo" No 9, pp 32-36

Considers the problem of the efficiency of recon-  
necting the stator windings from delta to star  
in induction motors not operating under full  
load. Shows that the power factor does not give  
a complete picture of the effectiveness of the  
reconnection. Submitted 17 Nov 50.

196T45

PA 196T56

SYROMYATNIKOV, I. A.

USSR/Electricity - Relying, Protective Sep 51  
Conferences

"A Conference on Protective Relying," Yu. A.  
Gavayenko, Engr

"Elektrichestvo" No 9, p 90

The 3d Inter-Republic Conference on protective  
relying was held in Minsk in Apr. I. A. Syro-  
myatnikov, Deputy Chief, Tech Adm, Min of Elec  
Power Stations, opened the conference with a  
talk on trends in the development of protection  
and automatic control in power systems. Engr V. ✓

196T56

USSR/Electricity - Relying Protective Sep 51  
(Contd)

Ye. Kazanskiy spoke on telemetering by the fre-  
quency principle. Engr Ye. D. Sapir reported  
on the work of the Cen Sci Res Elec Eng lab  
in the field of protective relying and auto-  
matic control.

196T56

SYROMIATNIKOV, I.A.

Operation cycles of synchronous generators. Moiskva, Gos. energ. izd-vo, 1952.  
198 p. (54-18029)

Tk2441.S9

SYROMYATNIKOV, I. A.

SYROMYATNIKOV, I. A.

Syromyatnikov, I. A. defended his Doctor's dissertation in the Moscow Power Engineering Institute im Molotov, USSR, on 22 February 1952, for the academic degree of Doctor of Technical Sciences.

Dissertation: "Special Operating Conditions of Synchronous Generators to Increase the Dependability of Operation of Power Systems".

Official Opponents: Profs. S. A. Lebedev (Active Mbr. Academy of Sciences Ukrainian SSR); D. A. Gorodskiy and Yu. S. Chechet (Doctors of Technical Sciences).

SO: Elektrichestvo, No. 7, Moscow, August 1953, pp 87-92 (W/29844, 16 Apr 54)

SYPOMYATNIKOV, I.A.

O Tselesoobraznosti zameny nedogruzhennykh asinkhronnykh dvig steley. Elektricheskovo, No.1, 1952. Kandidat tekhn. Nauk

Monthly List of Russian Accessions, Library of Congress, April 1952. UNCLASSIFIED

SYROMYATNIKOV, I. A.

USSR/Electricity - Generators

Feb 52

"Discussion of Unbalanced Operating Conditions for Generators," I. A. Syromyatnikov, L. G. Mamikonyants E. G. Faynshteyn, Candidates Tech Sci

"Elektrichestvo" No 2, pp 76-79

All 3 writers take F. K. Arkhangel'skiy to task for attempting to defend the "Elektrosila" Plant directive stating that the max permissible unbalance for hydroelec generators is 5%. Tests made by the Tbilisi Sci Res Inst of Structures and Hydroelec

USSR/Electricity - Generators  
(Contd)

Feb 52  
208T33

Power clearly showed that greater unbalances could be permitted. Claims that Arkhangel'skiy, to support his opinion, referred to a test made on a defective generator produced by the "Elektrosila" Plant.

208T33

SYROMYATNIKOV, I. A.

235T37

USSR/Electricity - Transformers, Drying of Aug 52

Generators, Drying of

"Determining the Moisture Content in and Drying of  
Transformers and Generators, I. A. Syromyatnikov,  
Dr Tech sci. Tech Admin, Min of Elec Power Sta-  
tions USSR

"Elektrichesvo" No 8, pp 9-14

Investigation by Tech Admin as result of excessive  
rejection of equipment on the basis of cald norms  
showed that equipment after repair should be checked  
against characteristics of new equipment. not arti-  
ficial norms. As a rule, equipment should never

235T37

need to be dried before installation. Analyzes  
different drying methods. Submitted 19 Feb 51.

235T37

SYKOVICHOV, I.A.

Electric Motors

Protecting electric motors. Prom. energ. 9 No.5, (1952)

Monthly List of Russian Accessions, Library of Congress, August, 1952, UNCLASSIFIED

SYROMYATNIKOV, I. A.

Electric Machinery

Use of dry reactors for starting synchronous compensators. Elek. sta. 23  
No. 4 (1952) Kand. Tekhn. Nauk

SO: Monthly List of Russian Accessions, Library of Congress, August <sup>2</sup> 1953, Uncl.

Electric Insulators and Insulation-Testing

Testing electric machinery by increased voltage. Elek. sta. 43, no. 7, 1954.

9. Monthly List of Russian Accessions, Library of Congress, November 1958, Uncl.  
2

1. SYROMYATNIKOV, I. A. Dr.
2. USSR (600)
4. Armatures
7. Possibility of avoiding the drying of electric machinery. Elek. sta., 23, No. 10, 1952
  
9. Monthly List of Russian Accessions, Library of Congress, February 1953. Unclassified.

SYROMYATNIKOV, I.A.

Temperature rise of solid rotors during asynchronous starting. Elek-  
tricheskvo '53, No.1, 22-6.  
(MLRA 6:2)  
(EEA 56 no.670:4059 '53)

SYROMYATHIKOV, I.A., doktor tekhnicheskikh nauk.

Assisting the student of the new "Rules on the technical operation of electric power stations and networks." Electric motors. Energetik 1 no.6:28-31 N '53.  
(MLRA 6:11)  
(Electric power stations) (Electric networks)

USSR/Electricity - Power Factor  
Induction Motors

Feb 53

"Discussion: On Measures to Raise the Power Factor of Electrical Installations of Industrial Enterprises," Dr Tech Sci I. A. Syromyatnikov , Tech Admin of Min of Elec Pow Stas USSR; Prof P. G. Grudinsky, Moscow; Engr M. S. Likhachev, Moscow; Docent L. V. Litvak, Cand Tech.Sci, Moscow; Dr. Tech Sci I. B. Geyler, Moscow

Elek-vo, No 2, pp 80-88

Consists of five letters from above-noted persons commenting on materials published in "Elektrichestvo"

248r28

during 1952 on subject of raising power factor through synchronization of induction motors by DAG system. The point most often brought out in letters is that use of DAG system is only stop-gap measure and that real solution to problem lies only in adequate production of synchronous motors and static capacitors.

248r28

SYROMYATNIKOV, I. A.  
USSE/Electricity - Motors, Synchronous

May 53

"Requirements for Synchronous Motors and their Control and Protection Circuits," I. A. Syromyatnikov, Dr Tech Sci, Moscow

Elektrichestvo, No 5, pp 3-6

Reviews possibility of expanded industrial use of synchronous motors on basis of calcns done by Central Sci Res Lab of Min Elec Power Stas and Elec Ind. Advances a number of requirements to be met by ~~producers~~ of synchronous motors. Submitted 19 Aug 52.

2-77 T-5

SYROMYATNIKOV, I.A., doktor tekhnicheskikh nauk (Moscow); DZHANISHIYEV, I.A., inzhener; KALININ, Ye.V., kandidat tekhnicheskikh nauk (Leningrad).

Remarks on E.V.Kalinin's article "Protection of the inter-winding insulation of primary transformer windings against overvoltage." Elektrichestvo no.6:66-68 Je '53. (MLRA 6:7)

1. Zavod "Elektroapparat" (for Dzhanshiyev).  
(Electric transformers) (Kalinin, E.V.)

S Y R O M Y A T N I K O V , I. A.

AID P - 597

Subject : USSR/Electricity  
Card 1/1 Pub. 27 - 1/35  
Author : Syromyatnikov, I. A., Dr. of Tech. Sci., Prof.  
Title : Automatic Synchronizing Device for Parallel Starting of Synchronous Generators  
Periodical : Elektrichestvo, 8, 3-9, Ag 1954  
Abstract : The author concludes that automatic synchronization in which the main circuit breaker is closed before the field switch is absolutely preferable to the field-adjusted synchronization. He recommends the application of automatic synchronization for all generators up to 3000 kw, for all water-wheel generators and for all synchronous condensers. 20 Russian references (1948-1953).  
Institution : Technical Direction of the Ministry of Electric Power Stations of the U.S.S.R.  
Submitted : Ap 20, 1954

Syromyatnikov I.A.

AID P - 613

Subject : USSR/Electricity  
Card 1/1 Pub. 27 - 17/35  
Authors : Metygina, S. A., Eng., and Belichenko, G. F., Eng.,  
          Irkutsk  
Title : I. A. Syromyatnikov's article: "Requirements for Syn-  
          chronous Motors and their Control and Protection Circuits",  
          in Elektrichestvo, #5, 1953, (Discussion).  
Periodical : Elektrichestvo, 8, 73-75, Ag 1954  
Abstract : I. A. Syromyatnikov in his article proposed great simplifi-  
          cation of the protection of synchronous motors and their  
          start by a permanently-adjusted exciter. The authors pre-  
          sent the results of their experiments with two large  
          centrifugal water pumps driven by synchronous motors with  
          exciters permanently connected. The experiments proved  
          satisfactory. Six drawings.  
Institution : Not given  
Submitted : No date

SYROMYATNIKOV, I. A.

AID P - 626

Subject : USSR/Electricity

Card 1/1 Pub. 27 - 30/35

Authors : Nekrasov, A. N., Syromyatnikov, I. A., Chilikin, M. G., Solov'yev, I. I., Glazunov, A. A., Sirotinskiy, L. I., Ivanishchenko, F. D., Venikov, V. A., Chetverichenko, A. N. and others.

Title : Professor A. M. Fedoseyev. On His 50th Birthday and 25 years of Scientific, Educational and Engineering Activity. (Current News)

Periodical : Elektrichestvo, 8, 89, Ag 1954

Abstract : A short biographical sketch and a description of scientific activity is given.

Institution : Not given

Submitted : No date

*SYROMYATNIKOV, I.A.*

AID P - 1024

Subject : USSR/Electricity

Card 1/1 Pub. 27 - 1/23

Author : Syromyatnikov, I. A., Dr. of Tech. Sci., Prof.

Title : Basic problems of relay protection and automatic control

Periodical : Elektrichestvo, 11, 3-10, N 1954

Abstract : The author presents a review of the most important objects of automatic control such as: high-speed protection in various circuits of an electric power system; automatic field regulation of synchronous generators; automatic frequency-load adjustment; automatic switching of operating reserve; automatic synchronization; automatic reclosure; teleautomation and other developments of electric control systems leading to a greater stability of performance of extensive interconnected power transmission systems.

Institution : Technical Administration of the Ministry of Electric Power Stations of the USSR

Submitted : Ag 16, 1954

SYROMYATNIKOV, I.A., doktor tekhnicheskikh nauk.

Advantages in using an alternating current for control purposes.  
Elek.sta. 25 no.1:39-40 Ja '54. (MLRA 7:1)  
(Electric currents, Alternating)

SYROMYATNIKOV, I.A., doktor tekhnicheskikh nauk.

Significance of synchronous electric motors for the economical and  
dependable operation of electric power systems. Elek.sta. 25 no.7:  
39-40 Jl '54. (MLRA 7:8)

(Electric motors, Synchronous)

SYROMYATNIKOV, Ilya Arkad'yevich; ANTIK, I.V., redaktor; FRIDKIN, A.M.,  
tekhnicheskij redaktor.

[Asynchronous electric motors] Rezhimy raboty asinkhronnykh elektro-  
dvigatelei. Izd. 2-e, perer. Mekhan., Gos.energeticheskoe izd-vo,  
1955. 302 p.  
(Electric motors, Induction)

AID P - 1460

Subject : USSR/Electricity

Card 1/1 Pub. 27 - 11/36

Author : Syromyatnikov, I. A., Doc. of Tech. Sci., Prof.

Title : Electric Standards: Concerning the chapter "Urban electric networks" in the Rules for the establishment of electric installations

Periodical : Elektrichestvo, 2, 51-54, F 1955

Abstract : The previous edition of the Rules didnot have such a chapter. The addition was long needed and fills a gap. The author discusses the chapter in detail, enumerates the members of the committee which established the text, and at the end of the article includes the whole text of the new chapter.

Institution: Technical Administration of the Ministry of Electric Power Stations

Submitted : N 9, 1954

Syromyatnikov, I.I.

KHALAMEYER, M.Ye., inzhener; SYROMYATNIKOV, I.; SERBINOVSKIY, G.

Automatic reclosing of magnetic starters for low-voltage electric  
motors. Energetik 3 no.9:7-10 S'55. (MIRA 8:11)

1. Zamestitel' nachal'nika Tekhnicheskogo upravleniya Ministerstva  
elektrostantsiy, glavnny elektrik (for Syromyatnikov) 2. Glavnyy  
inzhener Gosudarstvennoy inspeksii po promenergetike i energonad-  
zoru Ministerstva elektrostantsiy (for Serbinovskiy)  
(Electric motors--Starting devices) (Electric relays)

AID P - 3028

Subject : USSR/Electricity

Card 1/2 Pub. 27 - 15/33

Author : Syromyatnikov, I. A., Dr. of Tech. Sci., Prof.,  
Deputy Chief of the Technical Administration, and  
Chief Electrical Engineer of the Ministry of Electric  
Power Stations

Title : Interconnection of power systems for parallel  
operation

Periodical : Elektrichestvo, 7, 89-92, J1 1955

Abstract : The author presents the advantages of parallel  
operation of power systems. This leads him to state  
the problem of building powerful steam- and hydro-  
electric power stations with generating units of high  
capacity, which are more economical per installed unit  
of power and in operation. Several deficiencies in  
the existing inter-system cooperation are pointed out.  
The problem of stability of parallel operation and

*8/11/97 PAK*  
AID P - 4123

Subject : USSR/Electricity  
Card 1/2 Pub. 27 - 10/33  
Author : Syromyatnikov, I. A., Doc. Tech. Sci., Prof.  
Title : Determining the average winding temperature on resistance.  
Periodical : Elektrichestvo, 12, 43-47, D 1955  
Abstract : The author describes a method of measuring winding resistance under load, which permits obtaining heating and cooling characteristics directly from the test. He presents curves for windings of transformers with air and water cooling heated with d-c. Measurements with a-c heating are made with star connections in short circuiting conditions. Because of the voltage asymmetry of separate phases and the presence of higher harmonics between the zero terminals of the windings, some a-c voltage will exist which will not permit measuring the d-c resistance of the windings. For this purpose, bridge schemes and voltmeter-amperemeter methods can be

SYROMYATNIKOV, I.A., doktor tekhnicheskikh nauk.

Transformer drying and some operational requirements called  
to the attention of transformer manufacturers. Elektrichesstvo  
no.7:73-75 J1 '56. (MLRA 9:10)

(Electric transformers)

YERMOLENKO, V.M., red.; KAZANSKIY, V.Ye., inzh., red.; KNYAZEVSKIY, B.A.,  
red.; MALOV, V.S., red.; SYROMYATNIKOV, I.A., doktor tekhn.nauk,  
prof., red.; TSAREV, M.I., kand.tekhn.nauk, red.; CHERNOBROVOV, N.V.,  
red.; LARIONOV, G.Ye., tekhn.red.

[Electric relays, automatic and remote control of electric power  
systems; papers of a scientific conference on problems of electric  
relays, automatic and remote control] Releinaia zashchita, avtomatika  
i telemekhanika energosistem; materialy nauchno-tehnicheskoi konfe-  
rentsii [po voprosam releinoi zashchity, elektricheskoi avtomatiki i  
telemekhaniki]. Moskva, Gos. energ. izd-vo, 1957. 231 p.

(MIRA 11:3)

1. Nauchno-tehnicheskoye obshchestvo energeticheskoy promyshlennosti.  
Moskovskoye pravleniye. 2. Mezhdunarodnye elektricheskiye svyazi  
SSSR (for Syromyatnikov). 3. Tsentral'naya nauchno-issledovatel'skaya  
elektrotehnicheskaya laboratoriya (for Tsarev). 4. Gosudarstvennyy  
trest po organizatsii i ratsionalizatsii elektrostantsii (for  
Kazanskiy)

(Electric relays) (Automatic control)  
(Remote control)

SYROMYATNIKOV, I. A.

3891. THE STABILITY OF POWER SYSTEMS

I.A.Syromyatnikov

Energotechnika, 1957, No. 1, 38-41. In Russian.

Shortcomings in Soviet power system practice are discussed with particular reference to failure to comply with existing regulations on the maintenance of system stability, e.g. dispensing with forced excitation for fear of damaging generators not in perfect working order. It is not realized that the possible loss of synchronism is more dangerous for the generators than forced excitation. Unfortunately, and unfortunately, it is the latter which is being done. Shortage of qualified personnel is cited as a cause of the long time taken to correct the situation. The author suggests that the main fault lies in the lack of interest shown by the management in the safety of power systems.

2

8/20/86

SYROMYATNIKOV, I.A.

GOETINSKIY, S.M., inzhener (Moskva); SYROMYATNIKOV, I.A., doktor tekhnicheskikh nauk, professor.

Power systems at a new level. Elektrичество no.10:1-4 0 '57.  
(Electric power) (MLRA 10:9)